

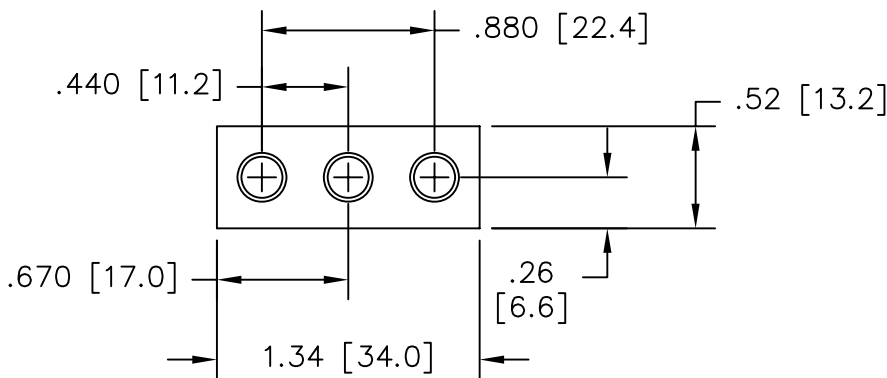
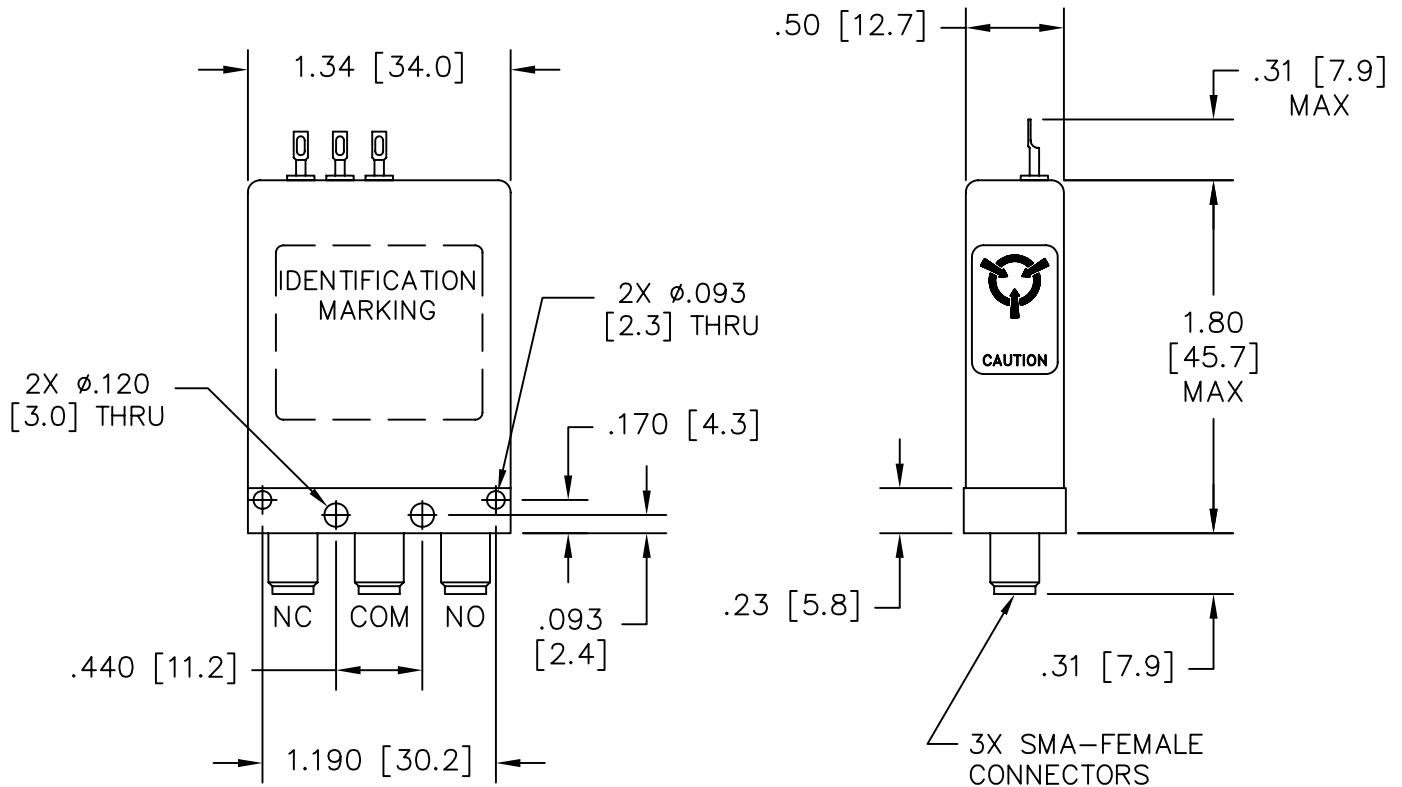
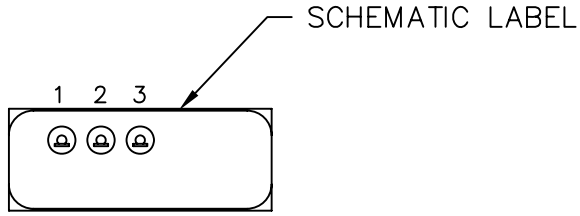


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
F	REDRAWN PER ECO #5788	10/6/99	J.A.
G	REVISED AND REDRAWN PER ECO #9603	5/26/09	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	401-220802A
15 Vdc	401-290802A
20 Vdc	401-270802A
24 Vdc	401-280802A
28 Vdc	401-230802A

REVISIONS	G	G	G				 <b>DowKey<sup>®</sup> Microwave CORPORATION</b>	4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734
SHEET NO.	1	2	3					
APPROVALS		DATE						<b>SWITCH, SPDT FAILSAFE, SMA-FEMALE CONNECTORS, TTL CONTROL CIRCUIT</b>
DRAWN	S. LEE	5/14/09						
ENG	S. LEE	5/14/09						
ENG. MGR.	G. NICKLAUS	5/26/09						
SALES MGR.	V. HARTER	5/20/09						
Q.A. MGR.	S. LYNCH	5/18/09						
MFG. MGR.	R. GONZALEZ	5/19/09					CODE IDENT. NO. <b>00471</b>	DWG. NO. <b>401-2X0802A</b>
SCALE		NONE		FINAL ASSY:			SHEET 1 OF 3	

**OUTLINE DRAWING:**



[ ] MILLIMETERS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:  
 .XXX  $\pm$ .010 ANGLES:  $\pm$ 3'  
 .XX  $\pm$ .030

CODE IDENT. NO.  
 00471

DWG. NO.  
 401-2X0802A

REV.  
 G

SCALE NONE

SHEET 2 OF 3

## SPECIFICATIONS:

### 1. RF CHARACTERISTICS:

1.1 FREQUENCY (GHz):	DC-1	1-4	4-8	8-12	12-18
1.2 VSWR (RATIO MAX):	1.10:1	1.15:1	1.20:1	1.30:1	1.35:1
1.3 INSERTION LOSS (dB MAX):	0.10	0.15	0.20	0.30	0.35
1.4 ISOLATION (dB MIN):	85	80	70	65	60
1.5 RF POWER (WATTS CW MAX):	200	100	50	35	25

### 2. ACTUATION DATA:

2.1	NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (TYP) @ NOMINAL VOLTAGE & 25°C
	12	11-14	185mA
	15	13-17	160mA
	20	17-23	140mA
	24	20-28	120mA
	28	24-32	90mA

2.2 SWITCHING TIME:	15ms MAX
2.3 OPERATING MODE:	FAILSAFE

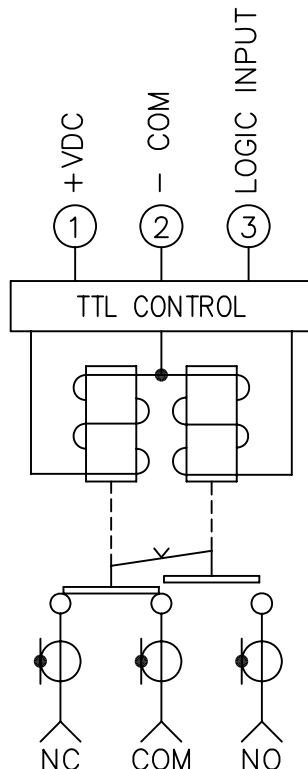
### 3. MECHANICAL:

3.1 RF CONTACTS:	BREAK BEFORE MAKE
3.2 WEIGHT:	2.5oz. (71g.) NOMINAL
3.3 DESIGN LIFE:	1,000,000 CYCLES MIN

### 4. ENVIRONMENTAL:

4.1 OPERATING TEMPERATURE:	-25°C TO +65°C
4.2 STORAGE TEMPERATURE:	-55°C TO +85°C
4.3 SEAL:	SAND AND DUST

## SCHEMATIC:



LOGIC TRUTH TABLE	
RF PATH	LOGIC INPUT
NC-COM	0
NO-COM	1

"0" = 0.0V - 0.8V  
 "1" = 2.4V - 5.5V

CODE IDENT. NO. 00471	DWG. NO. 401-2X0802A	REV. G
SCALE NONE	SHEET 3 OF 3	